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IN THE UNITED STATES PATENT AND TRADEMARK

Applicant: ALLEN Examiner: Unassigned
U.S.S.N.: 09/903,395 Group Art Unit: 1645
Filed: July 10, 2001 Docket: R-653
For: TRANSGENIC MICE CONTAINING MELANOCORTIN-3
RECEPTOR GENE DISRUPTIONS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Attached is a Form PTO-1449 listing each of the enclosed documents.

This Information Disclosure Statement (“IDS”) is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is respectfully requested, along with additional time under Rule 97(f), to enable Applicant to fully comply.

Should a first Office Action on the merits have been issued on the same day or before this IDS is filed, please accept this IDS under Rule 97(c) and charge the requisite fee under Rule 17(p) to our Deposit Account No. 50-1271, Order No. R-653 and proceed to consider this Information Disclosure Statement.

Consideration of the foregoing and enclosures, the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column, and an action on the merits of this application are respectfully requested.

Respectfully submitted,
DELTAGEN, INC.

20 May 2001

Br. 1087 11/12 11 476211

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Docket No.

Applicant(s): ALLEN

R-653

Serial No.
09/903,395Filing Date
07/10/01Examiner
UNASSIGNEDGroup Art Unit
1645

Invention: TRANSGENIC MICE CONTAINING MELANOCORTIN-3 RECEPTOR GENE DISRUPTIONS

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I hereby certify that this **INFORMATION DISCLOSURE STATEMENT**
(Identify type of correspondence)

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37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.

20231-0001 on NOVEMBER 21, 2001
(Date)

JOYCE VOGEL
(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

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INFORMATION DISCLOSURE CITATION		Atty Docket:	Serial No.:
PTO-1449		R-653	09/03,395
TRANSGENIC MICE CONTAINING MELANOCORTIN-3 RECEPTOR GENE DISRUPTIONS		Applicant:	RECEIVED NOV 28 2001 TECH CENTER 1600 Group Art Unit: 1645
Date: November ___, 2001		Filing Date: July 10, 2001	NOV 21 2001 PATENT & TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Butler, A.A. et al., <u>Endocrinol.</u> , 141(9):3518-3521 (2000), "A Unique Metabolic Syndrome Causes Obesity in the Melanocortin-3 Receptor-Deficient Mouse"
	Cannon, J. G. et al., <u>J. Immunol.</u> , 137(7):2232-2236 (1986), " α Melanocyte Stimulating Hormone Inhibits Immunostimulatory and Inflammatory Actions of Interleukin 1"
	Chen, A. S. et al., <u>Nature Genetics</u> , 26:97-102 (2000), "Inactivation of the mouse melanocortin-3 receptor results in increased fat mass and reduced lean body mass"
	Cummings, D. E. et al., <u>Nature Genetics</u> , 26:8-9 (2000), "Melanocortins and body weight: a tale of two receptors"
	Desarnaud, F. et al., <u>Biochem. J.</u> , 299:367-373 (1994), "Molecular cloning, functional expression and pharmacological characterization of a mouse melanocortin receptor gene"
	De Wied, D. et al., <u>Physiol. Rev.</u> , 62(3):977-1059 (1982), "Neuropeptides Derived From Pro-Opiocortin: Behavioral Physiological and Neurochemical Effects"

EXAMINER

DATA CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION PTO-1449 TRANSGENIC MICE CONTAINING MELANOCORTIN-3 RECEPTOR GENES DISRUPTIONS			Atty Docket:	Serial No.:			
			R-653	09/903,395			
			Applicant				
			ALLEN				
			Filing Date:				
			July 10, 2001				
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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Gantz, I. et al., <u>J. of Biol. Chem.</u> , 268(11):8246-8250 (1993), "Molecular Cloning of a Novel Melanocortin Receptor"						
	Gispen, W. H. et al., <u>Trends Pharm. Sci.</u> , 11:221-222 (1992), "Therapeutic potential for melanocortins in peripheral nerve disease"						
	Huszar, D. et al., <u>Cell</u> , 88:131-141 (1997), "Targeted Disruption of the Melanocortin-4 Receptor Results in Obesity in Mice"						
	Murphy, M. T. et al., <u>Science</u> , 221:192-193 (1983), "Antipyretic Potency of Centrally Administered α -Melanocyte Stimulating Hormone"						
	Nakanishi, S. et al., <u>Nature</u> , 278:423-427 (1979), "Nucleotide sequence of cloned cDNA for bovine coritcotropin- β -lipotropin precursor"						
	Silman, R. E. et al., <u>Nature</u> , 260:716-718 (1976), "Human foetal pituitary peptides and parturition"						

TRANSLATIONS

DATA CONSIDERED

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FOREIGN PATENT DOCUMENTS						
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						Yes
						No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Walker, J. M. et al., <u>Science</u> , 210:1247-1249 (1980), "Evidence for Homologous Actions of Pro-Opiocortin Products"					
	Wilson, J. F., <u>Clin. Endocrinol.</u> , 17:233-242 (1982), "Levels of α -Melanotrophin in the Human Fetal Pituitary Gland Throughout Gestation, in Adult Pituitary Gland and in Human Placenta"					

EXAMINER'S SIGNATURE

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.